First of four pages PAGE 1 1997 PROFILE FOR NORTHERN DOH REGION ----- POPULATION ESTIMATES ------ CANCER INCIDENCE ------ LOCAL PUBLIC HEALTH ------Per Activities Reported Number 10,000 Total 1997 Population Est 475,320 (Cancer incidence is for 1996) Percent Female 50.2 Public Health Nursing
Total clients 6,857 184
Total visits 19,576 464
Visits: Reason for
Gen hlth promotion 2,076 78
Infant/child hlth 5,194 141
Infectious & parasitic 2,015 54
Circulatory 170 11
Prenatal 2,112 63
Postpartum 3,090 89 Primary Site Number Population per square mile 31 Rank in state . 372 Breast (1=highest population density, Cervical 83 Colorectal 337
Lung, Trachea, & Bronchus 312
Prostate 378 Cervicai Colorectal 72=lowest population density.) Age Female Male Total Prostate
 0-14
 47,280
 50,230
 97,490
 Other sites
 1,085

 15-19
 18,290
 19,640
 37,900
 Total
 2,567
 20-24 14,350 15,390 29,740 25-29 13,750 14,200 27,960 ----- LONG-TERM CARE---30-34 15,630 15,960 31,610 WIC Participants 17,244 363 19,490 38,210 19,110 37,420 35-39 18,740 Community Options and MA Waiver

 Clinic Visits
 113,647
 2,402

 Immunization
 79,231
 1,675

 Blood pressure
 7,586
 286

 40-44 18,270 Programs
 45-54
 29,710
 29,880

 55-64
 21,840
 21,450
 # Clients Costs
 45-54
 29,710
 29,880
 59,590
 # Clients
 Costs

 55-64
 21,840
 21,450
 43,300
 COP
 908
 \$2,696,260

 65-74
 19,870
 17,780
 37,610
 MA Waivers *
 CIP1A
 100
 \$4,336,030

 85+
 6,160
 2,890
 9,060
 CIP1B
 877
 \$14,889,630

 Total
 238,730
 236,600
 475,320
 CIP2
 353
 \$3,452,420

 COP-W
 1,283
 \$6,659,950
 CSLA
 24
 \$106,720

 0-17
 58,570
 62,240
 120,760
 Brain Inj
 17
 \$653,950

 18,444
 87,740
 91,780
 170,760
 Total
 COP (Where
 2,820
 \$3,700
 59,590 Environmental Contacts Env hazards 11,106 248 Public health nuisance 2,993 64 School Health Vision screenings 27,657 760 Hearing screenings 22,109 Total COP/Wvrs 2,829 \$32,794,950 18-44 87,740 91,780 179,570 608 45-64 51,550 51,330 102,890 65+ 40,880 31,280 72,190 \$2,376,720 of the above Waiver costs | **Health Education** Total 238,730 236,600 475,320 were paid as local match/overmatch 624 16 Community sessions using COP funds. This amount is Community attendance 12,587 292 School sessions 1,813 44 School attendance 27,189 622 Poverty Estimates for 1995 not included in above COP costs. (Census Bureau) 90% Conf Int Estimate (+ or -) * 1997 Waiver costs reported above All ages No. 42,788
Pct. 9.1% Not
Ages 0-17 No. 16,920 Available include federal funding. Those Staffing - FTEs taffing - FTESTotal staff1633.4Administrators200.4Public health nurses521.1Public health aides130.4 shown in the 1996 report did not. Home Health Agencies Pct. 13.3% Patients 7,601 | Patients per 10,000 pop. 160 Environmental specialists 12 0.4 Labor Force Estimates Annual Average | Nursing Homes 41 Licensed beds 4,492 LOCAL PUBLIC HEALTH FUNDING
Civilian labor force 261,388 Occupancy rate 91.3%
Number employed 248,931 Residents on 12/31/97 4,055
Number unemployed 12,457 Residents aged 65 or older Unemployment rate 4.8% per 1,000 population 51 Local taxes \$4,431,025 \$9.37

| TOTAL LIVE BIRTHS | | 5,428 | <u>Birth O</u> | rder | Births | Percent | Marital Status | | _ |
|---|--|-----------------------------------|---|---|--|--|--|--|--------------------------------------|
| | | | First | or higher | 2,072 | 38 | of Mother | Births | Percent |
| Crude Live Birth Rate | 9 | 11.4 | Second | | 1,769 | 33 | Married Not married Unknown | 4,195 | 77 |
| General Fertility Rat | te | 54.8 | Third | | 912 | 17 | Not married | 1,233 | 23 |
| Live births with report congenital anomalies | | | Fourth | or higher | 674 | 12 | Unknown | 0 | 0 |
| Live births with repo | orted | | Unknown | l | 1 | <.5 | | | |
| congenital anomalies | 7 | 5 1.4% | | | | | Education | | |
| | | | First P | renatal | | | of Mother | Births | Percent |
| | | | | Tenacai | Births | Percent | | a 151 | 3 |
| Vaginal after | | | 1st tri | mester | 4,393 | 81 | Some high school High school Some college College graduate Unknown | 562 | 10 |
| previous cesarean | 162 | 3 | 2nd tri | mester | 875 | 16 | High school | 2,074 | 38 |
| Forceps | 55 | 1 | 3rd tri | mester | 127 | 2 | Some college | 1.519 | 28 |
| Other vaginal | 4.156 | 77 | No visi | ts | 21 | - < 5 | College graduate | 1.113 | 21 |
| Primary cesarean | 652 | 12 | IInknown | 1 | 12 | < 5 | Ilnknown | 9 | < 5 |
| Penest degarean | 403 | 7 | OILLIOWI | - | 12 | 1.5 | Olldiowii | | 1.5 |
| Other or unknown | -103 | 0 | Numbor | of Dronata | 1 | | Smoking Status | | |
| Vaginal after previous cesarean Forceps Other vaginal Primary cesarean Repeat cesarean Other or unknown | U | U | Namper | sits | ⊥ Dir+ha | Dorgont | of Mother | Dirtha | Dercent |
| Disable Weight | Diabha | Damasant | Care vi | SILS | DIFUIS | Percent | of Mother Smoker Nonsmoker Unknown | 1 120 | Percent |
| Birth Weight <1,500 gm 1,500-2,499 gm 2,500+ gm Unknown | Births | Percent | NO VISI | LS | 21 160 | <.5 | SHOKEL | 1,130 | Z1 |
| <1,500 gm | 45 | 0.8 | 1-4 V | risits | 160 | 3 | Nonsmoker | 4,294 | /9 |
| 1,500-2,499 gm | 263 | 4.8 | 5-9 v | risits | 1,274 | 23 | Unknown | 4 | <.5 |
| 2,500+ gm | 5,119 | 94.3 | 10-12 v | risits | 2,381 | 44 | | | |
| Unknown | 1 | 0.0 | 13+ v | risits | 1,578 | 29 | | | |
| | | | Unknown | 1 | 14 | <.5 | | | |
| | | | Low Birth | Weight | | m | 5 - 5 | 7 773 | |
| | Total P | irths | (under 2 | 500 cm) | 1st Tr | Trimest imester | er of First Prenata 2nd Trimester | I VISIT Other | 'IInknown |
| Page of Mother | Total E | irths | (under 2, | 500 gm) | 1st Tri | imester Percent | er or first Prenata 2nd Trimester Births Percent | Other | 'Unknown |
| Race of Mother | Total B | ercent | (under 2, Births P | 500 gm) | 1st Tri | imester Percent | 2nd Trimester Births Percent | Other, Births | 'Unknown Percent |
| Race of Mother White | Total B Births P 5,008 | ercent 92 | (under 2, Births P | 5.6 | 1st Tri Births 4,159 | imester Percent 83 | 2nd Trimester Births Percent 730 15 | Other, Births | Unknown Percent |
| Race of Mother White Black | Total B Births F 5,008 12 | ercent 92 <.5 | (under 2, Births P 280 | 500 gm) Percent 5.6 8.3 | 1st Tra Births 4,159 6 | imester Percent 83 50 | 2nd Trimester Births Percent 730 15 5 42 | Other Births 119 | 'Unknown Percent 2 8 |
| Race of Mother White Black Other | Total E Births P 5,008 12 408 | ercent 92 <.5 8 | (under 2, <u>Births P</u> 280 1 27 | 500 gm) Percent 5.6 8.3 6.6 | 1st Tra Births 4,159 6 228 | imester Percent 83 50 56 | 2nd Trimester <u>Births Percent</u> 730 15 5 42 140 34 | Other, Births 119 1 40 | 'Unknown Percent 2 8 10 |
| Race of Mother White Black Other Unknown | Total E Births F 5,008 12 408 0 | ercent 92 <.5 8 0 | (under 2, Births P 280 1 27 | 500 gm) Percent 5.6 8.3 6.6 | 1st Tri Births 4,159 6 228 | imester Percent 83 50 56 | 2nd Trimester Births Percent 730 15 5 42 140 34 | Other, Births 119 1 40 | Tunknown Percent 2 8 10 |
| Race of Mother White Black Other Unknown | Total E Births F 5,008 12 408 0 | ercent 92 <.5 8 0 | (under 2, Births P 280 1 27 | 500 gm) Percent 5.6 8.3 6.6 | 1st Tri Births 4,159 6 228 | Trimest imester Percent 83 50 56 . | 2nd Trimester Births Percent 730 15 5 42 140 34 | Other, Births 119 40 . | Tunknown Percent 2 8 10 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| | _ | | Low Birth | Weight | | Trimest | er of First Prenata | l Visit | · 1 |
| Age of Mother <15 15-17 18-19 20-24 25-29 30-34 35-39 40+ Unknown | Fe Births 6 168 363 1,220 1,787 1,329 465 89 1 | rtility Rate 15 52 85 130 85 25 5 | Low Birth (under 2, Births P 1 11 29 67 109 64 23 4 * | Neight (500 gm) (Percent 16.7 6.5 8.0 5.5 6.1 4.8 4.9 4.5 | 1st Tri Births 2 102 261 956 1,501 1,127 379 65 * | Trimest imester Percent 33 61 72 78 84 85 82 73 | rer of First Prenata 2nd Trimester Births Percent 3 50 54 32 80 22 217 18 244 14 180 14 75 16 21 24 * . | 1 Visit Other, Births 1 12 22 47 42 22 11 3 * | Tunknown Percent 17 7 6 4 2 2 2 3 . |
| | Fe Births 6 168 363 1,220 1,787 1,329 465 89 1 | rtility Rate 15 52 85 130 85 25 5 | Low Birth (under 2, Births P 1 11 29 67 109 64 23 4 * | Neight (500 gm) (Percent 16.7 6.5 8.0 5.5 6.1 4.8 4.9 4.5 | 1st Tri Births 2 102 261 956 1,501 1,127 379 65 * | Trimest imester Percent 33 61 72 78 84 85 82 73 | rer of First Prenata 2nd Trimester Births Percent 3 50 54 32 80 22 217 18 244 14 180 14 75 16 21 24 * . | 1 Visit Other, Births 1 12 22 47 42 22 11 3 * | Tunknown Percent 17 7 6 4 2 2 2 3 . |

----- M O R B I D I T Y ------ M O R T A L I T Y -----

| REPORTED* CASE | IS OF | SELECTED | DISEASES |
|----------------|-------|----------|----------|

| Disease | Number |
|-------------------------|--------|
| Campylobacter Enteritis | 88 |
| Giardiasis | 66 |
| Hepatitis Type A | 8 |
| Hepatitis Type B** | 19 |
| Hepatitis NANB/C*** | <5 |
| Legionnaire's | 5 |
| Lyme | 69 |
| Measles | 0 |
| Meningitis, Aseptic | 16 |
| Meningitis, Bacterial | <5 |
| Mumps | 0 |
| Pertussis | 20 |
| Salmonellosis | 111 |
| Shigellosis | <5 |
| Tuberculosis | 12 |
| | |

- * 1997 provisional data** Includes all positive HBsAg
 - test results
- *** Includes acute disease only

Sexually Transmitted Disease

| Chlamydia Trachomatis | 336 |
|--------------------------|-----|
| Genital Herpes | 165 |
| Gonorrhea | 21 |
| Nongonococcal Cervicitis | <5 |
| Nongonococcal Urethritis | <5 |
| Syphilis | <5 |

---- I M M U N I Z A T I O N S -----

Children in Grades K-12 by Compliance Level

| Compliant | 89,669 |
|-------------------|--------|
| Non-compliant | 1,289 |
| Percent Compliant | 98.6 |

Note: Death rates (except infant) are per 100,000 population. Infant, neonatal, and post-neonatal death rates are per 1,000 live births. Perinatal and fetal death rates are per 1,000 live births plus fetal deaths. Rates are not calculated for fewer than 20 deaths.

TOTAL DEATHS 4,394 Crude Death Rate 924

| Age | Deaths | Rate |
|-------|--------|--------|
| 1-4 | 7 | |
| 5-14 | 23 | 33 |
| 15-19 | 20 | 53 |
| 20-34 | 74 | 83 |
| 35-54 | 301 | 223 |
| 55-64 | 367 | 848 |
| 65-74 | 872 | 2,320 |
| 75-84 | 1,392 | 5,458 |
| 85+ | 1,319 | 14,554 |
| | | |

Infant

| <u>Mortality</u> | Deaths | Rate |
|------------------|--------|------|
| Total Infant | 19 | |
| Neonatal | 14 | |
| Post-neonatal | 5 | |
| Unknown | | |

| Race of Mother | | |
|----------------|----|---|
| White | 17 | • |
| Black | 1 | |
| Other | 1 | • |
| Unknown | • | • |
| | | |

| Birth Weight | | |
|----------------|---|--|
| <1,500 gm | 7 | |
| 1,500-2,499 gm | 6 | |
| 2,500+ gm | 6 | |
| Unknown | • | |

| Deaths | Rate |
|--------|----------|
| 43 | 7.9 |
| 14 | |
| 29 | 5.3 |
| | 43 14 |

| 3e | 1 | ec | t | ed | |
|----|----|----|---|----|----|
| In | de | er | 1 | νi | no |

| Underlying Cause | Deaths | Rate |
|-------------------------|--------|------|
| Heart Disease (total) | 1,292 | 272 |
| Coronary heart disease | 909 | 191 |
| Cancer (total) | 1,071 | 225 |
| Lung | 236 | 50 |
| Colorectal | 124 | 26 |
| Female breast | 86 | 36* |
| Cerebrovascular Disease | 351 | 74 |
| Chron Obstr Pulmonary | 204 | 43 |
| Pneumonia & Influenza | 178 | 37 |
| Injuries | 182 | 38 |
| Motor vehicle | 73 | 15 |
| Diabetes | 102 | 21 |
| Infectious & Parasitic | 49 | 10 |
| Suicide | 56 | 12 |

* Rate for female breast cancer based on female population.

ALCOHOL AND DRUG ABUSE AS UNDERLYING OR CONTRIBUTING CAUSE OF DEATH

| Alcohol | 66 | 14 |
|----------------|----|----|
| Other Drugs | 72 | 15 |
| Both Mentioned | 8 | |

----- MOTOR VEHICLE CRASHES -----

Note: These data are based on location of crash, not on residence.

| Type of Motor Vehicle Crash | Persons Injured | Persons Killed |
|--------------------------------|--------------------|-------------------|
| Total Crashes | 5,289 | 75 |
| Alcohol-Related | 673 | 28 |
| With Citation: | | |
| For OWI | 434 | 1 |
| For Speeding | 248 | 0 |
| Motorcyclist | 149 | 3 |
| Bicyclist | 112 | 0 |
| Pedestrian | 60 | 2 |

| DISEASE / AGE GROUP | Number | Per 1,000 Pop | Average Stay (Days) | Average Charge | Charge Per Capita | DISEASE / AGE GROUP | Number | Per 1,000 Pop | Average Stay (Days) | Average Charge | Charge Per Capita |
|------------------------|-----------|---------------------|---------------------------|-------------------|-------------------------|--|------------|---------------------|---------------------------|-------------------|-------------------------|
| Injury-Related | : All | | | | | Alcohol-Relate | ed. | | | | |
| Total | 4,106 | 8.6 | 4.6 | \$9,011 | \$78 | Total | 1,939 | 4.1 | 6.0 | \$3,785 | \$15 |
| <18 | 409 | 3.4 | 4.1 | \$8,243 | \$28 | 18-44 | 1,123 | 6.3 | 5.4 | \$3,246 | \$20 |
| 18-44 | 1,046 | 5.8 | 3.9 | \$8,820 | \$51 | 45-64 | 577 | 5.6 | 5.3 | \$4,032 | \$23 |
| 45-64 | 811 | 7.9 | 4.5 | \$9,345 | \$74 | Pneumonia and | Influenza | | | | |
| 65+ | 1,840 | 25.5 | 5.1 | \$9,142 | \$233 | Total | 1,715 | 3.6 | 5.2 | \$6,461 | \$23 |
| Injury: Hip | Fracture | | | | | <18 | 263 | 2.2 | 3.2 | \$3,566 | \$8 |
| Total | 560 | 1.2 | 5.4 | \$10,384 | \$12 | 45-64 | 225 | 2.2 | 4.8 | \$6,346 | \$14 |
| 65+ | 513 | 7.1 | 5.5 | \$10,309 | \$73 | 65+ | 1,098 | 15.2 | 5.8 | \$7,270 | \$111 |
| Injury: Pois | onings | | | • | · | Cerebrovascula | | | | • | · |
| Total | 259 | 0.5 | 2.0 | \$3,471 | \$2 | Total | 1,452 | 3.1 | 4.7 | \$7,941 | \$24 |
| 18-44 | 146 | 0.8 | 1.9 | \$3,503 | \$3 | 45-64 | 217 | 2.1 | 5.0 | \$10,302 | \$22 |
| | | | | | · | 65+ | 1,197 | 16.6 | 4.6 | \$7,298 | \$121 |
| Psychiatric | | | | | | Chronic Obstru | ctive Pulm | onary I | isease | • | · |
| Total | 2,422 | 5.1 | 8.3 | \$5,463 | \$28 | Total | 1,126 | 2.4 | 4.1 | \$5,207 | \$12 |
| <18 | 485 | 4.0 | 9.6 | \$5,785 | \$23 | <18 | 205 | 1.7 | 2.1 | \$2,455 | \$4 |
| 18-44 | 1,084 | 6.0 | 6.5 | \$4,183 | \$25 | 18-44 | 96 | 0.5 | 2.7 | \$3,757 | \$2 |
| 45-64 | 389 | 3.8 | 8.8 | \$5,796 | \$22 | 45-64 | 200 | 1.9 | 4.2 | \$5,629 | \$11 |
| 65+ | 464 | 6.4 | 10.8 | \$7,836 | \$50 | 65+ | 625 | 8.7 | 4.9 | \$6,198 | \$54 |
| | | | | | | Drug-Related | | | | | |
| Coronary Heart | Disease | | | | | Total | 246 | 0.5 | 9.7 | \$5,384 | \$3 |
| Total | 3,238 | 6.8 | 4.1 | \$14,314 | \$98 | 18-44 | 109 | 0.6 | 7.0 | \$4,340 | \$3 |
| 45-64 | 1,050 | 10.2 | 3.5 | \$14,749 | \$151 | İ | | | | | |
| 65+ | 2,038 | 28.2 | 4.5 | \$14,244 | \$402 | Total Hospital | izations | | | | |
| | , | | | | · | Total | 53,625 | 112.8 | 4.2 | \$6,805 | \$768 |
| Malignant Neop | lasms (Ca | ncers): | All | | | <18 | 9,264 | 76.7 | 3.0 | \$3,250 | \$249 |
| Total | 2,169 | 4.6 | 6.5 | \$11,931 | \$54 | 18-44 | 13,558 | 75.5 | 3.3 | \$4,788 | ;362 |
| 18-44 | 160 | 0.9 | 5.9 | \$14,225 | \$13 | 45-64 | 9,637 | 93.7 | 4.4 | \$8,636 | \$809 |
| 45-64 | 640 | 6.2 | 6.0 | \$11,974 | \$74 | 65+ | 21,166 | 293.3 | 5.3 | \$8,820 | \$2,587 |
| 65+ | 1,341 | 18.6 | 6.7 | \$11,467 | \$213 | | , | | | , - , | , , |
| Neoplasms: F | | | tes for | female po | | PREVENTA | BLEH | OSPI | TALI | ZATI | ONS * |
| Total | 179 | 0.7 | 2.4 | \$6,220 | \$5 | Total | 7,162 | 15.1 | 4.4 | \$5,688 | \$86 |
| Neoplasms: C | olo-recta | | | , , , | | <18 | 846 | 7.0 | 2.3 | \$2,515 | \$18 |
| Total | 288 | 0.6 | 8.9 | \$15,295 | \$9 | 18-44 | 767 | 4.3 | 3.6 | \$4,851 | \$21 |
| 65+ | 222 | 3.1 | 9.2 | \$15,845 | \$49 | 45-64 | 1,208 | 11.7 | 4.5 | \$6,565 | \$77 |
| Neoplasms: L | | | | ,, | 7 | 65+ | 4,341 | 60.2 | 4.9 | \$6,209 | \$374 |
| Total | 192 | 0.4 | 7.1 | \$13,497 | \$5 | * Hospitalization | s for cond | itions | where ti | mely and | effective |
| | | | – | | , - | ambulatory care c | an reduce | the lik | elihood | of hospit | calization |
| Diabetes | | | | | | The definition | | | | | |
| Total | 533 | 1.1 | 5.4 | \$7,822 | \$9 | differs from 199 | | | | | |
| 65+ | 200 | 2.8 | 5.8 | \$7,146 | \$20 | | | | | | |
| 200 2.0 9,7,110 | | | | | 7-0 | diagnosis of dehydration was included in 1996 and excluded in 1997. The total number of preventable hospitalizations | | | | | |
| | | | | | | in 1996 using th | | | | | |